

90.16 (2) (j) How do you calculate the required number of fixtures for additions or remodelling?

When adding a new pool to an existing facility, how much credit do I get for the existing sanitary facilities?

There are three steps to determining the number of sanitary facilities required for existing pools or water attractions.

Step 1: Calculate the total square footage of water area in the existing facility.

For example, there are three pools in the existing water attraction complex (with living units)

Pool 1 = 2,000 sq ft

Pool 2 = 4,000 sq ft

Pool 3 = 2,000 sq ft

Total existing pool area = 8,000 sq ft

Step 2. What would the current, Table 90.16 require for sanitary facilities to serve the existing square footage? What sanitary facilities are currently provided in the facility? Are there any “extra” facilities existing in the facility?

To continue with our example, the current Table 90.16 requires the following facilities to serve 8,000 square feet.

Female toilets = 6

Female showers = 2

Male toilets = 2

Male showers = 2

Male urinals = 1

Drinking fountains = 2

Female lavatories = 2

Male lavatories = 2

The existing facilities serving the water attraction include:

Female toilets = 7

Female showers = 2

Male toilets = 2

Male showers = 2

Men’s urinals = 1

Drinking fountains = 1

Female lavatories = 2

Male lavatories = 1

Based on the Table 90.16 requirements, there are enough sanitary facilities to provide 1 female water closet to serve the new addition in our example. In order for the female water closet to be counted to serve the new pool, it must be located within 300 feet of the nearest edge of the proposed pool.

Step 3. Determine the number of facilities required for the planned pool based on Table 90.16 and any “extra” sanitary facilities existing in the facility.

To conclude with our example:

The proposed pool will have 4,000 sq feet of water surface area.

Table 90.16 Requirements

Female toilets = 2

Female lavatories = 1

Male toilets = 1

Male lavatories = 1

Men’s urinals = 1

Female showers = 1

Male showers = 1

Drinking fountains = 1

There is one female toilet extra in the existing facility within 300 feet of the proposed pool, so only one female toilet will need to be installed. The rest of the requirements from Table 90.16 for the 4,000 sq ft pool will need to be installed.